

Date: Fri, 13 Aug 93 04:30:12 PDT  
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>  
Errors-To: Ham-Ant-Errors@UCSD.Edu  
Reply-To: Ham-Ant@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Ant Digest V93 #11  
To: Ham-Ant

Ham-Ant Digest                      Fri, 13 Aug 93                      Volume 93 : Issue    11

Today's Topics:

    Larsen Dual Band Antenna - what mode? (3 msgs)  
        Polarization  
    R5 vs Isolooop (2 msgs)  
        Wavelength formula

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>  
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

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We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 12 Aug 93 18:29:02 EST  
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa  
Subject: Larsen Dual Band Antenna - what mode?  
To: ham-ant@ucsd.edu

In article <24dr61\$1bm@hp-col.col.hp.com>, dfk@col.hp.com (David F. Kurth)  
wrote:

> I'm looking for some info on the Larsen Dual Band NMO-2/70 antenna.  
> This is a 2 meter and 70 cm band antenna. It's roughly 30 some inches  
> long, and has a bulge (coil?) in the middle of it.

Dave-

I have the Larsen with the NLA Magnet mount. The bulge is definitely a  
coil. It is in the form of a spring, that is held in compression by the  
two metal elements, that screw into the plastic body. Warning: You may  
destroy it, if you take it apart.

I would guess that it acts something like a loaded 1/2 wave on two meters,

and a 1/4 wave phased with 1/2 or 5/8 wave on 440.

Mine is actually the second I've had. That's how I know what is inside the bulge! Both had lowest SWR outside two meters, on the high end. However, I suspect it is because of the magnet mount. How does yours check out?

73, Fred, K4DII

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Date: 12 Aug 93 18:45:01  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!math.ohio-state.edu!uwm.edu!rpi!usenet.rpi.edu!maessm@network.ucsd.edu  
Subject: Larsen Dual Band Antenna - what mode?  
To: ham-ant@ucsd.edu

In article <24dr61\$1bm@hp-col.col.hp.com> dfk@col.hp.com (David F. Kurth) writes:

> In the two meter band, I've heard people say: (a) it's a 1/4 wave  
> antenna that requires a ground plane, (b) it's an end fed 1/2 wave  
> antenna that does not need a ground plane, and (c) it's a loaded  
> 5/8 wave antenna that needs a ground plane.

If I remember right, the antenna operates as an end-fed half wave loaded in the middle on 2 meters, and as two collinear 5/8 wavelength antennas on 440.

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Mat Maessen    N2NJZ                    | maessm@rpi.edu  
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disclaimer: Anyone NOT singing will have a can of Foster's lobbed at  
their heads.  
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Date: Fri, 13 Aug 1993 02:27:29 GMT  
From: news.cerf.net!pagesat!spssig.spss.com!feenix.metronet.com!  
marcbg@network.ucsd.edu  
Subject: Larsen Dual Band Antenna - what mode?  
To: ham-ant@ucsd.edu

In the FWIWD (for what it's worth department), the main thing we're concerned about here is performance.

The Larson Dual Band outperforms equivalent antennas hands-down. I've

tried Comets and Diamonds, and, while they are very good antennas, for overall performance, the Larson is better. Some of the Comet and Diamond antennas may perform better on VHF or UHF exclusively, the Larson works better all-around. And, since it's not as rigid and is thinner, it presents less of a wind load, and it's better when attacking that unplanned parking garage.

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P.O Box 850472 | marcbg@esy.com | 214/231-0025 (fax)  
Richardson, TX 75085 |

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Date: Thu, 12 Aug 1993 22:09:07 GMT  
From: mentor.cc.purdue.edu!noose.ecn.purdue.edu!dynamo.ecn.purdue.edu!  
wb9omc@purdue.edu  
Subject: Polarization  
To: ham-ant@ucsd.edu

dbraun@ilx049.intel.com (Doug Braun) writes:

>I have never seen an explanation of this:  
>What happens when people with horizontally polarized HF beams  
>try to talk to those with vertically polarized antennas?  
>Does it matter? Is the polarization of HF signals  
>essentially random, because of ionospheric effects?

I was always taught that there would be a reduced signal strength that that you should try to be polarized like the other station.

In practice, I have not noticed much difference on say 10 meters, which is where I spend most of my time. When I toss up my Cushcraft AR10 vertical, it actually seems to improve both transmitting and receiving over my wire dipole, although that may have less to do with the H/V thing than it does the AR10 being a better antenna.....

Duane/WB90MC

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Date: 12 Aug 1993 23:16:12 GMT  
From: usenet.coe.montana.edu!netnews.nwnet.net!news.u.washington.edu!  
carson.u.washington.edu!chadwick@decwrl.dec.com  
Subject: R5 vs Iso-loop

To: ham-ant@ucsd.edu

I have a limited space problem and am interested in any thoughts that anyone might have regarding the relative merits (receiving, transmitting, noise level, etc.) of the Cushcraft R-5 vs the AEA Isoloop.

Thanks.

Cliff Chadwick, N7WJU  
Internet: chadwick@u.washington.edu

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Date: Fri, 13 Aug 1993 02:30:11 GMT  
From: news.cerf.net!pagesat!spssig.spss.com!feenix.metronet.com!  
marcbg@network.ucsd.edu  
Subject: R5 vs Isoloop  
To: ham-ant@ucsd.edu

In article <24eivs\$2uq@news.u.washington.edu> chadwick@carson.u.washington.edu (Cliff Chadwick) writes:

>I have a limited space problem and am interested in any thoughts that  
>anyone might have regarding the relative merits (receiving, transmitting,  
>noise level, etc.) of the Cushcraft R-5 vs the AEA Isoloop.

Interesting question. The R5 is good for what it does, I think it's somewhat better than the Isoloop. Certainly, it's more broadbanded. However, the Isoloop (I believe) also has 40 meters (?). I have an R5 and I've used several Isolooops in field installations. If I could put up an R5, I would. Of course there's some folks who would still say that a Butternut is better ...

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Date: 12 Aug 93 18:27:59 GMT  
From: agate!howland.reston.ans.net!vixen.cso.uiuc.edu!uwm.edu!linac!mgweed!  
cbnewsk!cbnewsj!k2ph@ames.arpa  
Subject: Wavelength formula  
To: ham-ant@ucsd.edu  
  
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Date: (null)

From: (null)

Or, whenever my students used to ask, the speed of light is approximately 1.8e12 furlongs per fortnight. :-)

Now, why do you suppose my students used to describe me as "a bit anal retentive" ... :-)

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End of Ham-Ant Digest V93 #11  
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